

## 1.4GHz 4W Handheld MESH Wireless Transmitter Receiver with WiFi GPS AES Encryption

Our Product Introduction

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### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ZKMANET
- Certification: CE, ISO9001
- Model Number: ZKManet2251UM
- Minimum Order Quantity: 1 piece
- Price: USD 4999~5199 per piece
- Packaging Details: carton
- Delivery Time: 3-7 work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per year



### Product Specification

- Frequency: 350MHz-4GHz Customizable
- Default Frequencies: 1400MHz-1460MHz
- Channel Bandwidth: 2M/5M/10M/20MHz/40MHz
- Output Power: 36dBm (4W MIMO 2x2)
- WIFI: 2.4G/5.8G WIFI (2x100mw)
- Modulation Type: DSSS/CCK BPSK/QPSK OFDM BPSK/QPSK/16-QAM/64-QAM
- Digital Sensitivity: 96dBm@5MHz BPSK
- Transmission Rate: Up To 82Mbps
- Network Capability: 9 Hops And No Less Than 64 Nodes
- Working VoltageDC 16.8V: DC 16.8V
- Highlight: 1.4GHz Wireless Transmitter Receiver, Wireless Transmitter Receiver with WiFi GPS, Handheld MESH Wireless Transmitter Receiver



### More Images



### Product Description

#### 1.4GHz 4W Handheld MESH Wireless Transmitter Receiver with WiFi GPS AES Encryption

##### Product Description

The ZKManet2251UM is a 4W handheld mesh network device with a transmission rate of up to 82 Mbps. It supports various

Our Product

communication combinations, making it suitable for different scenarios. It features a built-in display screen that can show device status and connection status in real time. The device can be worn by an individual, used in conjunction with a tripod relay, or installed at fixed points. It can also be utilized on moving vehicles, ships, robots, drones, and unmanned boats. With one-click operation, it can be used anytime and anywhere without the need for configuration or parameter changes.

#### Features

- \* Supports HDMI input
- \* Supports voice intercom
- \* Supports WIFI connection
- \* Data rate up to 82Mbps
- \* Supports GPS/BD
- \* Full-duplex two-way data transmission
- \* Full IP transparent data transmission
- \* IP66
- \* Easy Operation

#### Quick Deployment

Mesh self-organizing network technology enables rapid mobile deployment, allowing for the establishment of a reliable wireless communication network in a short period of time to meet the timeliness requirements of emergency communications.

#### Strong Stability

Mesh self-organizing network technology features self-healing capabilities, ensuring that even if some devices fail, the entire network can continue to operate stably, preventing communication interruptions.

#### High Security

Advanced encryption algorithms and security authentication mechanisms are employed to effectively safeguard the security and confidentiality of communication data, preventing information leakage and malicious attacks.

#### Specifications

Model	ZKManet2251UM	Brand	ZKMANET
RF Parameters	Frequency	1.4GHz (Customizable)	
	Bandwidth	20MHz (Typical)	
	RF Channel	2T2R	
	Output Power	2*2W	
	Range	20-30km (LOS)	
Network Parameters	Network Size	64 Nodes	
	Data Rate	82Mbps(Max)	
	Encryption	AES	
Physical/ Environment	Dimensions	246.5*82*42mm	
	Weight	1.2kg (w/ battery)	
	Working Temp	-20°C~+65°C	
	IP Rating	IP66	
Electrical Parameters	Power Supply	18.5V	
	Battery Capacity	48Wh	
	Power Consumption	<12W	

#### Dimensions

Handheld IP Mesh MIMO Radio

#### Panel Description

Handheld IP Mesh MIMO Radio	<ol style="list-style-type: none"> <li>1. Main body power input port</li> <li>2. HDMI input (mini HDMI interface)</li> <li>3. WIFI antenna interface</li> <li>4. LAN input interface</li> <li>5. Mic input interface</li> <li>6. GPS/BD antenna interface</li> <li>7. MESH antenna interface-1</li> <li>8. Power push button</li> <li>9. Signal Indicator</li> <li>10. MESH antenna interface-2</li> </ol>
<ol style="list-style-type: none"> <li>1. 3.5mm audio interface</li> <li>2. Configuration buttons (optional)</li> <li>3. Battery locker - push to remove battery</li> <li>4. Battery Indicator</li> <li>5. Battery Charging Port</li> </ol>	Handheld IP Mesh MIMO Radio

#### Application

Handheld IP Mesh MIMO Radio

#### Company Profile

Zhongke Lianxun (Shenzhen) Technology Co., Ltd. was established in 2005, focusing on the research and development of video wireless transmission products for drone defense/control, wireless video transmission, and network security encryption/decryption. We leverage the technical expertise of renowned university network security institutes. Our main research and development products include COFDM wireless transceivers; 4G-LTE wireless transceivers, 4G/5G wireless receivers, UAV/UGV radio data link, as well as MESH/SOC communication series products based on intelligent communication.

Adhering to the principles of "unity and dedication, technological innovation, and service innovation," we serve users both domestically and internationally. We uphold the tenet of "quality first, reputation first" to provide high-quality, efficient, and customized services to our clients worldwide. The company is committed to promoting an innovative spirit of "exploration and progress."

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FAQ

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